

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/000675

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 C01B 3/16**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for utility models since 1975

Japanese Utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A | WO 01/51410 A1 (MILLENNIUM CELL, LLC) 19 July 2001 see page 22, line 19 - page 24, line 5 | 1 |
| P, A | US 2003/0113259 A1 (Rusta-Sallehy et al.) 19 June 2003 see the whole document | 1 |
| P, A | EP 1354851 A1 (Hewlett-Packard com.) 22 October 2003 see the whole document | 1 |
| P, A | EP 1367025 A1 (Hewlett-Packard com.) 03 December 2003 see the whole document | 1 |
| A | WO 01/68517 A1 (Hydro-Quebec) 20 September 2001 see the whole document | 1 |
| A | JP 2002-187702 A (DENSEI KK et al.) 05 July 2002 see the whole document | 1 |

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search

04 AUGUST 2004 (04.08.2004)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| W00151410A1 | 19.07.2001 | US20040033194A1 | 19.02.2004 |
| | | US20020083643A1 | 04.07.2002 |
| | | US6683025 | 27.01.2004 |
| | | US6534033 | 18.03.2003 |
| | | AU0127632A5 | 24.07.2001 |
| US20030113259A1 | 19.06.2003 | W003051768A1 | 26.06.2003 |
| EP1354851A1 | 22.10.2003 | US20030194368A1 | 16.10.2003 |
| | | JP2003327402A2 | 14.04.2003 |
| | | CA2424350AA | 16.10.2003 |
| EP1367025A1 | 03.12.2003 | US20030224229A1 | 04.12.2003 |
| | | JP2004002189A2 | 08.01.2004 |
| | | CA2427803AA | 28.11.2003 |
| W00168517A1 | 20.09.2001 | US6572836 | 03.06.2003 |
| | | JP2003527281T2 | 16.09.2003 |
| | | EP1263677A1 | 11.12.2002 |
| | | CN1423619T | 11.06.2003 |
| | | CA2301252AA | 17.09.2001 |
| | | AU0135274A5 | 24.09.2001 |
| JP2002187702A | 05.07.2002 | None | |